



SEQUENCE LISTING

at 5

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Eisen, Andrew
Lewin, David A

<120> Protein-Protein Complexes and Methods of Using Same

<130> 21402-196

<140> 10/004,083

<141> 2001-10-30

<150> 60/246,236

<151> 2000-10-30

<160> 21

<170> PatentIn Ver. 2.1

<210> 1

<211> 374

<212> DNA

<213> Homo sapiens

<400> 1

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ggagttgacc acacaaaaat gagtctacat ggtgctagtg ggggacatga gagatcaaga 120
gatagacgaa ggtcaagtga cagatcacga gattcatctc atgaaagaac ggagtctcag 180
ctcactcctt gtattagaaa tgtgacttct ccaacacgac agcaccatgt tgaacgagaa 240
aaagatcaca gttcctctcg tccaagcagt ccgcgtcctc aaaaagcatc cccaaatggt 300
tccattagca gtgctgggaa cagcagcaga aacagtagtc agtcaagttc agatggtagc 360
tgtaagacag ctgg                                     374
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<210> 2

<211> 564

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)

<223> Wherein n is a or t or c or g.

<220>

<221> misc_feature

<222> (4)

<223> Wherein n is a or t or c or g.

<400> 2

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nggngctctg gccccggcct ttgcccacat cttgtgtggg cactgaaggg ggactacagg 60
ttcagagatt atgggtgcta catgtgtgct ttcagagcag tagtgtgagg aagcttggag 120
tgggatggca ggacggcctc atccctatga tggtaactcc agtgatccag agaattggga 180
tcggaaattg catagtagac ctcgtaaact ttataaacat tcaagtactt cctcgcgtat 240
tgctaaagga ggagttgacc acacaaaaat gagtctacat gatgctagtg ggggacatga 300
gagatcaaga gatagacgaa ggtcaagtga cagatcacga gattcatctc atgaaagaac 360
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ggagtctcag ctcactcctt gtattagaaa tgtgacttct ccaacacgac agcaccatgt 420
tgaacgagaa aaagatcaca gttcctctcg tccaagcagt ccgcgtcctc aaaaagcatc 480
cccaaattgg tccattagca gtgctgggaa cagcagcaga aacagtagtc agtcaagtct 540
agatggtagc tgtaagacag ctgg 564

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<210> 3
<211> 486
<212> DNA
<213> Homo sapiens

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<400> 3
cgagtacaga tacaactgga tggctccttc cttgcgcca gagaggtttg cctttaagat 60
ctcaccaaag cccagcaaac cactgaggcc ttgtattcag ctgagcagca agaataagc 120
cagtggaaatg gtggccccgg ctgtccagga gaagaagggtg aaaaagcggg tgtccttcgc 180
agacaaccag gggctggccc tgacaatggc caaagtgttc tcggaattcg atgaccgct 240
agatatgcca ttcaacatca ccgagctcct agacaacatt gtgagcttga cgacagcaga 300
gagcgagagc tttgttcttg atttttccca gccctctgca gattacttag actttagaaa 360
tcgacttcag gccgaccacg tctgccttga gaactgtgtg ctcaaggaca aggccatgca 420
ggcactgtga aggttcagaa cctcgcattt gagaagaccg tgaaaatagg atgacgtcga 480
cacctg 486

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<210> 4
<211> 376
<212> DNA
<213> Homo sapiens

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<400> 4
gcatcaaaat taagaagaaa aaaaaagtac tgtcacctac ggctgccaa ccaagcccct 60
ttgaagggaa aacgagcaca gaaccaagca cagccaaacc ttcttcccca gaaccagcac 120
caccttctga ggcaatggac gcagaccgtc caggcacccc gggtcccccct gttgaagtcc 180
cggagctcat ggatacagcc tctttggagc caggagctct ggatgccaa ctagtgagga 240
gtcctggaga tcctaaccac ctgaccggga aaggcaggaa gaggaaaagt gtgacatggc 300
ctgaggaagg caaactgaga gaatatttct attttgaatt ggatgaaact gaacgagtaa 360
atgtgaataa gatcaa 376

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<210> 5
<211> 479
<212> DNA
<213> Homo sapiens

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<400> 5
cagaggcagg tttgctacac aggagcgacg acgcaggcgg cggccccagc gactcgcaac 60
tgcctccctg accacagcgg ccaccgcca acacccccga gaagccatcg ccaccaccgg 120
caggagaacc tagggtccat aaagccatct tcgcgatcga ctaaagctac gtcaacaact 180
atggcggggc acgggaggcg ggagaggcgg gtgcgggaag gatgggggtg gtacgtcacc 240
cccagggccc ccatccgaga gggaaggggc cggctcgccc ctcaaaatgg cggcagcagc 300
gatgcgcctg cgtacagaac tcctccgtcg cgccagggcc ggcgggaagt gaggttctcg 360
gacgagccgc cagaagtgtg cggcgacttc gagcccctgg tggccaaaga aaggtccccg 420
gtgggaaaac caaccggct acaagagtcc ggctcgattc tgcgaaagag aagtagaga 479

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<210> 6
<211> 474
<212> DNA

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<213> Homo sapiens

<220>

<221> misc_feature

<222> (317)

<223> Wherein n is a or t or c or g.

<400> 6

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ggcgactccg gggaggccgg acacgtcttt gatgatttct caagcgacgc cgttttcatc 60
cagctcgatg acatgagctc gccaccttct cccgaaagca cagactcttc cccggagcga 120
gacttcccac tgaagcctgc gttgccccca gccagcctgg ccgtggccgc catccagagg 180
gaggtgtcat tgatgcacga tgaagaccct tcgcagcccc caccctgcc agagggcacc 240
caggagccac atttgctcag gccggacgcg gctgagaagg ctgaggcacc cagttccccg 300
gatgtggcgc ctgcgngaa ggaagacagc ccctctgcga gtgggagggt acaggaggca 360
gcccggcctg aggaggtggt ttcgcagacc ccctgctgc ggtccagagc cctggtgagg 420
cgggtcacct gtaacctgca ggagtctgag agcacggccc cggcgacgac agag 474
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<210> 7

<211> 404

<212> DNA

<213> Homo sapiens

<400> 7

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ttttgtcttt gtataataga tgtgatattt aaagtcactg gaaataggac aagttaatgg 60
atgtttttat attttaatag aatcatttat ttctatgtgt tatgaaattc acttaatgat 120
aaatttttca acatacttgc cattagaaaa caaagtattg ctaagtacta taacatattg 180
gccactaaaa ttcatattga gattatcttg gtttcttgga agagatagga atgagttctt 240
atctagtgtt gcaggccagc aaatacagag gtggtttaat caaacagctc tagtatgaag 300
caagagtaaa gactaagggt tcgagagcat tcctactcac ataagtgaag aaatctgtca 360
gataggaatc taaatattta tagtgagatt gtgaaagcaa cctt 404
```

<210> 8

<211> 444

<212> DNA

<213> Homo sapiens

<400> 8

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gaaaaaggcc ttgtttttca gaaattcctg ggtttcctgt taaaaaatct taaagcccaa 60
ccttaggaat atagtgcgcc aaaaggcggg tgcttcttcc attatcttat tttctttgat 120
actttattta attagatggt tataaagaaa tgggtttatt tttccagcat aaacctcaga 180
atttaaggaa agaaaatgat gtctgttggt atagttcatt gttttgccta ctcagcagaa 240
gtgatgactc ttaaaaattg gctttgacca aagtctctct gttttcaggg aaagaacata 300
aaagcttttt gaactacagc ctttttaaaa gagggatggg aggatattac agtaagaaat 360
taggctttct aaaagtatga aacatccttc aactgggctc tcttggttaat aggacatcat 420
atggtaatag actggtttga ctat 444
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<210> 9

<211> 321

<212> DNA

<213> Homo sapiens

<400> 9

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ggcagcgctc aggaaagggt ttttctcttc gcgaaggaaa gagagccggt gaccatgggt 60
gcaactggca gtttgagcag caagaacccg gccagcattt cagaattgct ggactgtggc 120
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tatcacccag agagcctgct aagtgatttt gactactggg attatgttgt tcctgaaccc 180
aacctcaacg aggtaatat tgaggaatca acttggcaga atttggttaa aatgctggag 240
aactgtctgt ccaaataaaa gcaaactaaa cttgggttgc caaaggtcct tgtccctgag 300
aaactgacgc agagaattgc t 321

<210> 10
<211> 107
<212> PRT
<213> Homo sapiens

<400> 10
Gly Ser Ala Gln Glu Arg Val Phe Leu Leu Ala Lys Glu Arg Glu Pro
1 5 10 15
Leu Thr Met Val Ala Thr Gly Ser Leu Ser Ser Lys Asn Pro Ala Ser
20 25 30
Ile Ser Glu Leu Leu Asp Cys Gly Tyr His Pro Glu Ser Leu Leu Ser
35 40 45
Asp Phe Asp Tyr Trp Asp Tyr Val Val Pro Glu Pro Asn Leu Asn Glu
50 55 60
Val Ile Phe Glu Glu Ser Thr Trp Gln Asn Leu Val Lys Met Leu Glu
65 70 75 80
Asn Cys Leu Ser Lys Ser Lys Gln Thr Lys Leu Gly Cys Ser Lys Val
85 90 95
Leu Val Pro Glu Lys Leu Thr Gln Arg Ile Ala
100 105

<210> 11
<211> 413
<212> DNA
<213> Homo sapiens

<400> 11
gtggaccagc tggaaaagga gattgagctg ccctcgggcc agttgatggg acttttcaac 60
cggatcatcc gcaaagttgt gaagctatth aatgaagttc aggaaaaggc cattgaggag 120
cagatggtgg cagcgaagga tgtggtcatg gagcccacga tgaagaccct cagtgcgcac 180
ctagatgaag cagcaaagga atttcaggag aaacacaaga aggaagtagg gaagctgaag 240
agcatggacc tctctgaata cataatccgt ggggacgatg aagagtggaa tgaagttttg 300
aacaaagctg ggccgaacgc ctcgatcatc agcctgaaaa gtgacaagaa aaggaagtta 360
gaggccaaac aagaaaccca aacagagcag aaagttagaga aacagagaga caa 413

<210> 12
<211> 380
<212> DNA
<213> Homo sapiens

<400> 12
tctctcttaa gatttttgtg tcttttgact tatatggaaa gttattatac ttgattgtga 60
aataggtttt actatgataa tttgctgacc tacacttatt ttgttttttt cctctaaaac 120

```

aatgttttcc taatgtttat ttacttttgc ctataggcta cccagtctga ttccacatgc 180
cctcttttgg ccaaaccatc cgcaatttgc gctctccctg tcttctatct ttgccttcc 240
tcttctttct tagatattta atcctggatg cctctatttc tattcactgt actatggcat 300
cagcttatag tcccttaatt gcaatgaact ctatgaagct cacatgtcta gaatataatc 360
actttggctt ctttcatgtt                                     380

```

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<210> 13
<211> 472
<212> DNA
<213> Homo sapiens

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<400> 13
ttcaaagcgt gcccgttcct aaagcaagtc ttgcttcggg tcacctccca cctggtggca 60
gccagggaaa ggggaaagga agaagacact ggaaatgcat ggccagcccc ctaggggcat 120
gaggaaggag ctttcaggtg gccacaaaag ccctagctct gggccagggg ctctgggggg 180
ctgaggggac cagactgggt gcagggcctt gggagctgcc agcctccttc ccactgggct 240
tccgcagaaac tgggactctc acttcagggg ccaccacatc cctcctctct gttctcccc 300
ccagatcaaaa ggggtaccctc ccacggttgg cagggcctgg ctgagtgcct ctagcaccct 360
ttgtgcccac cacaggcggg cccaggaagg gcagcaaggt cagaccattc ctattgaaa 420
accgtggcta gggcacaggg ctctgatctg aaggagtgac agatatgtca ca          472

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<210> 14
<211> 21
<212> PRT
<213> Artificial Sequence

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<220>
<223> Description of Artificial Sequence:Gal-4 BD domain
sequence

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<400> 14
Glu Lys Gly Leu Val Phe Gln Lys Phe Leu Gly Phe Leu Leu Lys Asn
  1             5             10             15
Leu Lys Ala Gln Pro
          20

```

```

<210> 15
<211> 37
<212> PRT
<213> Artificial Sequence

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<220>
<223> Description of Artificial Sequence:Gal-4 BD domain

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```

<400> 15
Phe Lys Arg Cys Pro Phe Leu Lys Gln Val Leu Leu Arg Val Thr Ser
  1             5             10             15
His Leu Val Ala Ala Arg Glu Arg Gly Lys Glu Glu Asp Thr Gly Asn
          20             25             30
Ala Trp Pro Ala Pro
          35

```

<210> 16
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Phosphatase 1
binding domain

<400> 16
Asn Glu Ala Ser Gly Met Val Ala Pro Ala Val Gln Glu Lys Lys Val
1 5 10 15
Lys Lys Arg Val Ser Phe Ala Asp Asn Gln Gly Leu Ala Leu Thr
20 25 30

<210> 17
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Phosphatase 1
binding domain

<400> 17
Asp Glu Ala Gly Arg Met Val Ala Pro Thr Val Gln Glu Lys Lys Val
1 5 10 15
Lys Lys Arg Val Ser Phe Ala Asp Asn Gln Gly Leu Ala Leu Thr
20 25 30

<210> 18
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Phosphatase 1
binding domain

<400> 18
Asn Gly Gly Ser Ser Asp Ala Pro Ala Tyr Arg Thr Pro Pro Ser Arg
1 5 10 15
Gln Gly Arg Arg Glu Val Arg Phe Ser Asp Glu Pro Pro Glu Val Tyr
20 25 30

Gly

<210> 19

<211> 33
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Phosphatase 1
binding domain

<400> 19

Asn Gly Asp Gly Ser Asp Ala Pro Ala Tyr Glu Thr His Pro Ser Arg
1 5 10 15

His Gly Arg Arg Glu Val Arg Phe Ser Glu Glu Pro Pro Glu Val Tyr
20 25 30

Gly

<210> 20
<211> 31
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Phosphatase 1
binding domain

<400> 20

His Lys Ala Lys Ser Gln Asn Asp Trp Lys Cys Ser His Asn Gln Ala
1 5 10 15

Lys Lys Arg Val Val Phe Ala Asp Ser Lys Gly Leu Ser Leu Thr
20 25 30

<210> 21
<211> 25
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Phosphatase 1
binding domain

<400> 21

Glu Glu Lys Thr Pro Ile Lys Lys Pro Asp Gly Arg Lys Val Thr Phe
1 5 10 15

Phe Glu Asp Pro Gly Ser Gly Asp Glu
20 25